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<110> Bougueleret, Lydie

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(GGPPS) and Polymorphic Markers Associated With Said Nucleic
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<151> 1998-07-23

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 Met Glu Lys Thr Gln Glu Thr Val Gln
 1 5
 aga att ctt cta gaa ccc tat aaa tac tta ctt cag tta cca ggt aaa ... 159
 Arg Ile Leu Leu Glu Pro Tyr Lys Tyr Leu Leu Gln Leu Pro Gly Lys
 10 15 20 25
 caa gtg aga acc aaa ctt tca cag gca ttt aat cat tgg ctg aaa gtt ... 207
 Gln Val Arg Thr Lys Leu Ser Gln Ala Phe Asn His Trp Leu Lys Val
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 Pro Glu Asp Lys Leu Gln Ile Ile Ile Glu Val Thr Glu Met Leu His
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 Asn Ala Ser Leu Leu Ile Asp Asp Ile Glu Asp Asn Ser Lys Leu Arg
 60 65 70
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 Arg Gly Phe Pro Val Ala His Ser Ile Tyr Gly Ile Pro Ser Val Ile
 75 80 85
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 Asn Ser Ala Asn Tyr Val Tyr Phe Leu Gly Leu Glu Lys Val Leu Thr
 90 95 100 105
 ctt gat cac cca gat gca gtg aag ctt ttt acc cgc cag ctt ttg gaa ... 447
 Leu Asp His Pro Asp Ala Val Lys Leu Phe Thr Arg Gln Leu Leu Glu
 110 115 120
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 Leu His Gln Gly Gln Gly Leu Asp Ile Tyr Trp Arg Asp Asn Tyr Thr
 125 130 135
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 Cys Pro Thr Glu Glu Glu Tyr Lys Ala Met Val Leu Gln Lys Thr Gly
 140 145 150
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 Gly Leu Phe Gly Leu Ala Val Gly Leu Met Gln Leu Phe Ser Asp Tyr
 155 160 165
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 Lys Glu Asp Leu Lys Pro Leu Leu Asn Thr Leu Gly Leu Phe Phe Gln
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 Ile Arg Asp Asp Tyr Ala Asn Leu His Ser Lys Glu Tyr Ser Glu Asn
 190 195 200
 aaa agt ttt tgt gaa gat ctg aca gag gga aag ttc tca ttt cct act ... 735
 Lys Ser Phe Cys Glu Asp Leu Thr Glu Gly Lys Phe Ser Phe Pro Thr
 205 210 215
 att cat gct att tgg tca agg cct gaa agc acc cag gtg cag aat atc ... 783
 Ile His Ala Ile Trp Ser Arg Pro Glu Ser Thr Gln Val Gln Asn Ile
 220 225 230
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Tyr Leu Glu Asp Val Gly Ser Phe Glu Tyr Thr Arg Asn Thr Leu Lys
250                               255                               260                               265
gag ctt gaa gct aaa gcc tat aaa cag att gat gca cgt ggt ggg aac      927
Glu Leu Glu Ala Lys Ala Tyr Lys Gln Ile Asp Ala Arg Gly Gly Asn
                               270                               275                               280
cct gag cta gta gcc tta gta aaa cac tta agt aag atg ttc aaa gaa      975
Pro Glu Leu Val Ala Leu Val Lys His Leu Ser Lys Met Phe Lys Glu
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gaa aat gaa taa tgtaagcca ttcttgattg gacctcatag cttattttag      1027
Glu Asn Glu *
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atcatcggtg aactattagc tttgaagttt aaatcca atg gag aag act caa gaa    235
                               Met Glu Lys Thr Gln Glu
                               1                               5
aca gtc caa aga att ctt cta gaa ccc tat aaa tac tta ctt cag tta    283
Thr Val Gln Arg Ile Leu Leu Glu Pro Tyr Lys Tyr Leu Leu Gln Leu
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cca ggt aaa caa gtg aga acc aaa ctt tca cag gca ttt aat cat tgg    331
Pro Gly Lys Gln Val Arg Thr Lys Leu Ser Gln Ala Phe Asn His Trp
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Leu Lys Val Pro Glu Asp Lys Leu Gln Ile Ile Ile Glu Val Thr Glu

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55      60      65      70
aaa ctc cga cgt ggc ttt cca gtg gcc cac agc atc tat gga atc cca      475
Lys Leu Arg Arg Gly Phe Pro Val Ala His Ser Ile Tyr Gly Ile Pro
75      80      85
tct gtc atc aat tct gcc aat tac gtg tat ttc ctt ggc ttg gag aaa      523
Ser Val Ile Asn Ser Ala Asn Tyr Val Tyr Phe Leu Gly Leu Glu Lys
90      95      100
gtc tta acc ctt gat cac cca gat gca gtg aag ctt ttt acc cgc cag      571
Val Leu Thr Leu Asp His Pro Asp Ala Val Lys Leu Phe Thr Arg Gln
105      110      115
ctt ttg gaa ctc cat cag gga caa ggc cta gat att tac tgg agg gat      619
Leu Leu Glu Leu His Gln Gly Gln Gly Leu Asp Ile Tyr Trp Arg Asp
120      125      130
aat tac act tgt ccc act gaa gaa gaa tat aaa gct atg gtg ctg cag      667
Asn Tyr Thr Cys Pro Thr Glu Glu Glu Tyr Lys Ala Met Val Leu Gln
135      140      145      150
aaa aca ggt gga ctg ttt gga tta gca gta ggt ctc atg cag ttg ttc      715
Lys Thr Gly Gly Leu Phe Gly Leu Ala Val Gly Leu Met Gln Leu Phe
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Ser Asp Tyr Lys Glu Asp Leu Lys Pro Leu Leu Asn Thr Leu Gly Leu
170      175      180
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Phe Phe Gln Ile Arg Asp Asp Tyr Ala Asn Leu His Ser Lys Glu Tyr
185      190      195
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Ser Glu Asn Lys Ser Phe Cys Glu Asp Leu Thr Glu Gly Lys Phe Ser
200      205      210
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Phe Pro Thr Ile His Ala Ile Trp Ser Arg Pro Glu Ser Thr Gln Val
215      220      225      230
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Thr Leu Lys Glu Leu Glu Ala Lys Ala Tyr Lys Gln Ile Asp Ala Arg
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Gly Gly Asn Pro Glu Leu Val Ala Leu Val Lys His Leu Ser Lys Met
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Phe Lys Glu Glu Asn Glu *
295      300
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 35 40 45
 Ile Ile Glu Val Thr Glu Met Leu His Asn Ala Ser Leu Leu Ile Asp
 50 55 60
 Asp Ile Glu Asp Asn Ser Lys Leu Arg Arg Gly Phe Pro Val Ala His
 65 70 75 80
 Ser Ile Tyr Gly Ile Pro Ser Val Ile Asn Ser Ala Asn Tyr Val Tyr
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 Phe Leu Gly Leu Glu Lys Val Leu Thr Leu Asp His Pro Asp Ala Val
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 Lys Leu Phe Thr Arg Gln Leu Leu Glu Leu His Gln Gly Gln Gly Leu
 115 120 125
 Asp Ile Tyr Trp Arg Asp Asn Tyr Thr Cys Pro Thr Glu Glu Glu Tyr
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 Lys Ala Met Val Leu Gln Lys Thr Gly Gly Leu Phe Gly Leu Ala Val
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 Leu His Ser Lys Glu Tyr Ser Glu Asn Lys Ser Phe Cys Glu Asp Leu
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 Thr Glu Gly Lys Phe Ser Phe Pro Thr Ile His Ala Ile Trp Ser Arg
 210 215 220
 Pro Glu Ser Thr Gln Val Gln Asn Ile Leu Arg Gln Arg Thr Glu Asn

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
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| Ile | Asp | Ile | Lys | Lys | Tyr | Cys | Val | His | Tyr | Leu | Glu | Asp | Val | Gly | Ser |
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| Phe | Glu | Tyr | Thr | Arg | Asn | Thr | Leu | Lys | Glu | Leu | Glu | Ala | Lys | Ala | Tyr |
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